



# NEELAM AQUA

AN ISO 9001 COMPANY

Water Treatment  
Solutions for a Better Environment



Waste water collection pits  
Plant-based purification systems  
Small-scale sewage treatment plants  
Percolation systems  
Grey water recycling

**Preserving the Nature's Heritage**



**W**ater, the most integral source of sustaining life on earth is yet a humble definition of the gravity and significance of this element. Despite acknowledging the fact, that water is indiscernible for life, mankind has posed such serious threat to its purity that even though 2/3<sup>rd</sup> of the earth is covered with water yet its availability to fulfill the desired requirement has become a challenging task. The meteoric rise in population and there by industrialization has initiated and increased demand of water used for cooling, heating, steam production processing washing, diluting and multifarious other application eventually aggravating the environmental abuse.

# NEELAM AQUA



## Introduction

The foundation stone of NEELAM AQUA an ISO 9001 company was laid by an eminent scientist, Dr. Suresh Singh. Ever since its inception the company has come a long way in manufacturing water treatment chemicals and providing treatment solutions and services. The tenacity of the company's efficient R&D scientists have been instrumental in its growth by adding over a 100 new products in its product range. Such is the degree of quality & expertise that technically advanced products have surpassed all regiments of the traditional products in water treatment. Apart from the excellence of R&D, we have a sound back up of an experienced and diligent team of technical experts in production, marketing and technical service. Needless to say, other than possessing a state-of-art infrastructure, it is our services that provide us with an extra edge in such a highly competitive market.



## Inception

Since there had been a marked decline in the purity & level of the water table, water conservation, reuse, recycling & treatment deserved special attention. This niche was identified by NEELAM AQUA, modestly established in 1980, only to initiate for the industrial and human consumption. Even after more than two decades of successful leadership now, NEELAM AQUA is still committed to provide the industry with latest, economical & technologically advanced treatment solutions.



## Cooling Water Treatment

- **Antiscalants**
- **Biocides**
- **Polymeric dispersant**
- **Chlorine dioxide**

In power plants, petroleum refineries, petrochemical & fertilizer industries, the consumption of water is exceptionally high for cooling purpose. Since the cooling efficiency of a system directly affects the production output, energy saving and overall plant efficiency, it becomes imperative to employ a technically sound cooling water treatment program, geared with experience and expertise, for smooth running of the plant & to achieve all the economies of scale. Based on the experience of more than 30 years. NEELAM AQUA specializes in various cooling water treatment programs for all types of industries.

### **Scale & Corrosion inhibitors**

Scale and corrosion inhibitors increase the efficiency of a cooling system by preventing scale deposition and corrosion on the heat transfer surfaces. Our DESCOPHOS formulations are best suited to meet your needs in this area. We offer a wide variety of formulations to match the specific needs of our customers.

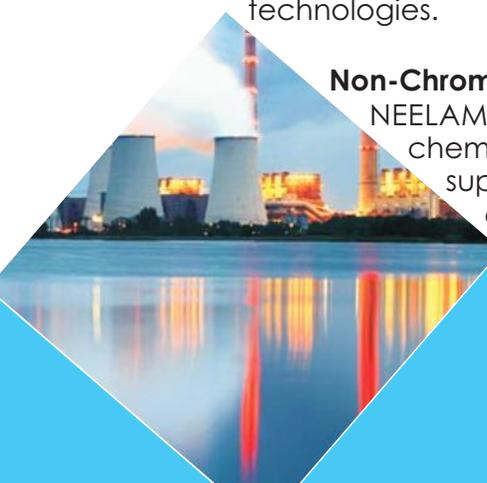
### **Microbiological Growth Control**

Growth of algae, bacteria and other microorganisms in cooling water is an engineer's nightmare. These are unwanted elements which reduces the efficiency of your cooling system.

We offer a broad range of micro biocides to control microbiological growth . As a result, you have a CW system which is efficient and trouble-free. Also available are bio dispersants and chlorine activator based on latest technologies.

### **Non-Chromate Packages**

NEELAM AQUA pioneered manufacturing of non-chromate chemicals for cooling water treatment. The package consists of supply of chemicals like scale & corrosion inhibitors, biocides & dispersants, supply of monitoring instruments and deputation of technical personnel for providing services and monitoring performance to achieve guaranteed results. We take total responsibility for maintaining smooth operation of the CW system under our Package Treatment.





## Bulk Chemicals

- HEDP
- SHMP

Neelam Aqua Manufactures best quality bulk chemicals for cooling & boiler water treatment. Our range of bulk chemicals are supplied to distributor all over India & Exported to different Countries.

## Boiler Water Treatment Program

- Corrosion inhibitor
- Oxygen scavenger
- Antiscalants
- pH controller
- Boiler descaling

NEELAM AQUA offers the DESBRUCK series of boiler water treatment chemicals that includes descalents, antiscalent, corrosion inhibitors, pH controllers, oxygen scavengers and fuel additives. Boiler water treatment chemicals are formulations that are extensively used in various industries for efficient working of boiler & hot water generators. The products are based on advanced international technologies, designed to give better performance & economy than the conventional products.

## M.S.F (Multi Stage Flash Evaporators)

- Antifoam
- Antiscalants
- pH booster

NEELAM AQUA manufactures complete range of products for Multistage Flash Evaporators. These products are non toxic, environment friendly & safe for drinking water applications.

## Effluent Treatment

- Flocculants
- Antifoam
- Ferrous sulphate
- Alum

With the reducing ground water level & when the entire world is talking about water savings, the reuse of ETP water system or other systems is one of the most significant achievements of chemical treatment towards water conservation. NEELAM AQUA offers a series of anionic, non-ionic, reducing & cationic polymers for ETPs, sludge dewatering, and belt presses. These polymers & biological treatment chemicals from NEELAM AQUA give complete solution to the treatment.



## Fireside Chemicals

- Soot deposit cleaner
- Fuel oil combustion improver
- Diesel fuel improver

Specialized fuel additives which increase fuel efficiency, reduce carbon deposits & smoke emissions from boiler & furnaces are offered by NEELAM AQUA.

## Swimming Pool Chemicals

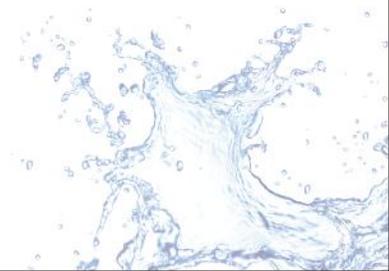
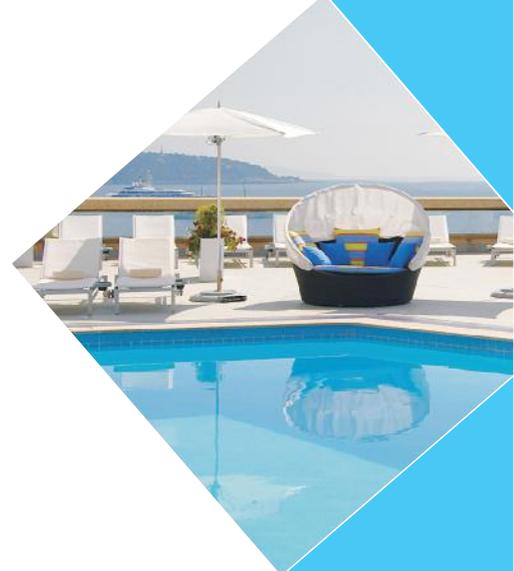
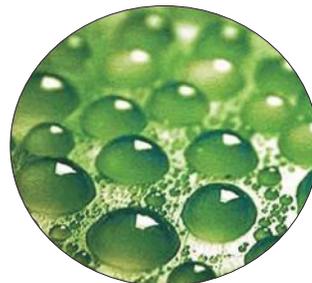
- TCCA - 90 (Chlorine Powder & Tablets)
- Biocide
- Liquid Chlorine
- Sand & Carbon Media for Filter
- pH controller
- Algaecide
- Polydadmac -Flocculant for Turbidity Reduction

NEELAM AQUA manufactures & supplies swimming pool chemicals, cleaners, biocides, filter media & required testing kits.

## Process Chemicals

- RO Antiscalant
- RO Descalant

NEELAM AQUA produce quality Process chemicals for the RO Industry.



## Oil Field Chemicals

- Scale inhibitor
- Biocide
- Corrosion Inhibitor
- Partially hydrolysed polyacrylamide
- Demulsifier
- OSD (Oil spill dispersant)
- PPD (pour point depressant)
- Cobalt Acetate

NEELAM AQUA manufactures & supplies various speciality chemicals for oil industry, like emulsifiers, demulsifiers, pour point depressants, antiscalent, corrosion inhibitors & bactericides based on the latest technologies.

## Monitoring & Technical Services

- Water analysis
- Chemical cleaning
- Pipeline pre cleaning
- Corrosion monitoring
- Online cleaning of heat exchangers

Technical services are an integral part of every water treatment program by NEELAM AQUA. The company has created a niche for itself by providing prompt & excellent technical service executive back up for all its products.

Our services start from the moment there is a requirement / requisition for a treatment program. Our technical service executive visits the plants & after a detailed discussion with the concerned plant personnel compiles the relevant data required for designing the treatment. This data is then analyzed by the R&D team to drive a treatment program that is tailored to perfectly fit into the requirements of the plant. After the techno-commercial-discussion proposal is submitted & confirmed, the treatment program is implemented under expert technical supervision.

## Power Plants

A good cooling water treatment keeps condenser surface free from deposits and corrosion. The result is an improvement in vacuum and pressures across condenser which lead to substantial increase in power production capacity of powerplant.

## Why Only Neelam Aqua

- Because Neelam Aqua manufactures even the basic chemicals like HEDP, Quat, Amm compounds, Polymers etc. required for Water Treatment.
- Because Neelam Aqua has a number of offices and agents all over the globe.
- Because Neelam Aqua provides expert technical services round the clock.
- Because Neelam Aqua has its own R&D and Quality Control lab.
- Because Neelam Aqua has an experience of more than 38 years.
- Because Neelam Aqua Products are most reasonably priced to suit every industry.
- Because Neelam Aqua is committed to provide the most efficient treatment based on latest technology.



**NEELAM AQUA & SPECIALITY CHEM (P) LTD.**



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